## INTERNATIONAL SEARCH REPORT

etional Application No PCT/EP 03/50755

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01M17/02 B600 B60C23/06 B60T8/00 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols)  $IPC \ \ \, 7 \quad G01M \quad B60C \quad B60T$ Documentation searched other than minimum documentation to the extent that such documents are included in the tields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category \* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α US 6 539 295 B1 (NCNEIL KIRK CHARLES ET 1-7. 11-36 AL) 25 March 2003 (2003-03-25) column 3, line 11 -column 7, line 59; claim 8; figures 2,3,5,6A,6B,10, Α US 2003/167832 A1 (O'CONNELL JAMES 1,11 CHANNING ET AL) 11 September 2003 (2003-09-11) paragraph '0023!; figures 2,3,5 Α US 6 614 343 B1 (FENNEL HELMUT ET AL) 1,11 2 September 2003 (2003-09-02) column 2, line 41 -column 3, line 28; figure 3 -/--Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 23 January 2004 19/02/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Peschel, W

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In ational Application No
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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US 5 247 831 A (FIORAVANTI LEONARDO) 28 September 1993 (1993-09-28) column 3, line 33 -column 4, line 2; claim 1	1,11, 37-40		
A	US 2003/050743 A1 (CESARINI RICCARDO ET AL) 13 March 2003 (2003-03-13) paragraphs '0070!-'0083!; figures 3,4A,4B,11	1,11, 37-40		
Α	EP 0 233 357 A (FRAUNHOFER GES FORSCHUNG) 26 August 1987 (1987-08-26) column 3, line 44 -column 4, line 12; figures	1		
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## INTERNATIONAL SEARCH REPORT

ion on patent family members

In tional Application No PCT/EP 03/50755

			_		,	
Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
US 6539295	B1	25-03-2003	NONE			
US 2003167832	A1	11-09-2003	NONE			
US 6614343	B1	02-09-2003	DE	19744725		15-04-1999
			DE	59805638		24-10-2002
			WO	9919192		22-04-1999
			EP	1021326		26-07-2000
	~		JP	2001519285	T	23-10-2001
US 5247831	Α	28-09-1993	IT	1223919	В	29-09-1990
			AT	87264	T	15-04-1993
			DE	68905607		29-04-1993
			DE	68905607		15-07-1993
			WO	9005646	<b>A</b> 1	31-05-1990
			EP	0444109	A1	04-09-1991
			ES	2039098	T3	16-08-1993
			JP	2875014		24-03-1999
			JP	4503931	T	16-07-1992
US 2003050743	A1	13-03-2003	AU	6435300		19-02-2001
			BR	0012893	Α	16-04-2002
			CN	1433360	T	30-07-2003
			WO	0108908		08-02-2001
			EP	1202867		08-05-2002
			JP	2003505296		12-02-2003
			TR	200200244	T2	21-06-2002
EP 0233357	Α	26-08-1987	DE	3544893		02-07-1987
			ΑT	61471		15-03-1991
			DE	3677957		11-04-1991
			EP	0233357	A1	26-08-1987
			JP	62162909		18-07-1987
			US	4724703	Α	16-02-1988